

BOARD FOR GEOLOGY Information Sheet

Applications not completed in accordance with these instructions will be promptly returned to the applicant. Completed application packages should include the following:

- The \$40.00 application fee. Checks must be payable to the "Treasurer of Virginia."
- A completed Certification Application form.
- A certified Certification of Regulant Status/Letter of Good Standing from each state in which you have held a Geology license/certification/registration. Certifications/letters may be mailed to the Board for Geology directly from the states.
- Official college/university transcripts verifying the degrees and education listed on the Certification Application form.
- Transcripts may be mailed directly from the school.
- Completed Experience Log forms.

You are responsible for requesting all necessary certifications, letters and transcripts.

Training and Experience Log forms should include concise and explicit statements providing a detailed description of your job duties and the nature of the work performed in each period of employment. Each period of employment must be verified by a supervisor's signature. This includes periods of self-employment which may be verified by an associate or client.

Applicants that are applying for certification through examination should submit completed application packages (received by the Board) 90 days prior to the date of the examination. Applicants will be notified within 45 days as to whether they have been approved to sit for the exam.

Policy Core Requirements

At least 12 semester hours in **4** of the **6** identified core courses or the equivalent are required for course work **or** a degree core to be considered a geologic degree or a related geological science degree. If the course title on the transcript does not convey to the Board that the course meets the definition, then it is incumbent upon the applicant to supply the course description from a catalog that will enable the Board to verify that the "core" course meets the accepted definition.

Stratigraphy Course

A course on rock strata. It is concerned not only with the original succession and age relations of rock strata, but also with their form, distribution, lithologic composition, fossil content, geophysical, and geochemical properties. It involves all characteristics and attributes of rocks as *strata*; and their interpretation in terms of environment or mode of origin, and geologic history. All classes of rocks, consolidated or unconsolidated, fall within the general scope of stratigraphy.

Structural Geology Course

A course that deals with the form, arrangement, and internal structure of the rocks, and especially with the description, representation, and analysis of *structures*, chiefly on a moderate to small scale.

Mineralogy Course

A course concerning the study of minerals: formation, occurrence, properties, composition, and classification.

Paleontology Course

A course concerning life in past geologic time, based on fossil plants and animals and including phylogeny, their relationship to existing plants, animals, and environments, and the chronology of the Earth's history.

Petrology Course

A course that encompasses the origin, occurrence, structure, and history of rocks, especially igneous and metamorphic rocks.

Geomorphology Course

A course that encompasses the general configuration of the Earth's surface; specifically the study of the classification, description, nature, origin, and development of present landforms and their relationships to underlying structures, and of the history of geologic changes as recorded by these surface features.

In addition, at least **six (6)** semester hours (or equivalent quarter hours) must be successfully completed in the following geologically-related course work:

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| 1. Exploration/Field Geology | 8. Petroleum/Coal/Natural Gas Geology |
| 2. Engineering Geology/Rock Mechanics | 9. Mining Geology |
| 3. Geochemistry | 10. Micropaleontology |
| 4. Geophysics/Seismology | 11. General Geology/Earth Science (teaching) |
| 5. Volcanology | 12. Economic Geology (including metallic minerals, phosphates, uranium, industrial minerals, etc.) |
| 6. Hydrogeology/Geohydrology | 13. Environmental Geology (including reclamation, water, resources, hazardous/solid waste disposal, etc.) |
| 7. Marine Geology | |

IN ALL CASES WHERE QUESTIONS ARISE AS TO THE ACCEPTABILITY OF ANY COURSE LISTED ON THE APPLICANT'S TRANSCRIPTS, IT IS THE APPLICANT'S RESPONSIBILITY TO DEMONSTRATE COURSE EQUIVALENCY!